

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Oranges, Valencias, Mature Orchard, Flood Irrigated, Rio Grande Valley - 100 Acres
South Extension District - 12

Crop Acres		100				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Oranges (Valencias)		18.00	Ton	\$150.00	\$2,700.00	\$270,000.00
Total Revenue					\$2,700.00	\$270,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise
Production Costs						Total
Fertilizer						
Custom	Ammonium Sulfate (21% N)	7.14	CWT	\$18.25	\$130.31	\$13,030.50
	Hedging or Topping	0.5	Acre	\$66.00	\$33.00	\$3,300.00
	Custom Fertilize Citrus	2	Acre	\$4.40	\$8.80	\$880.00
	Custom Orchard Spray	4	Acre	\$38.50	\$154.00	\$15,400.00
	Spot Herbicide Spray	1	Application	\$24.00	\$24.00	\$2,400.00
Miscellaneous						
	Insurance, Established Oranges	1	Acre	\$85.00	\$85.00	\$8,500.00
Insecticide						
	Lorsban 4E	8	Pint	\$6.11	\$48.88	\$4,888.00
	Admire Pro	0.875	Pint	\$26.67	\$23.34	\$2,333.63
	Vendex	6	Pound	\$36.00	\$216.00	\$21,600.00
	Citrus Oil	5	Gallon	\$8.20	\$41.00	\$4,100.00
	Agri-Mek SC	0.078	Gallon	\$480.68	\$37.49	\$3,749.30
	Provado	20	Ounce	\$1.03	\$20.60	\$2,060.00
Herbicide						
	Simazine 4L	1.25	Gallon	\$20.40	\$25.50	\$2,550.00
	Krovar I 80 DF	3	Pound	\$14.88	\$44.64	\$4,464.00
Other Labor						
	Unallocated Labor	0.0122	Hour	\$12.00	\$0.15	\$14.64
Other Chemicals						
	Surfactant - Citrus	2	Pint	\$3.60	\$7.20	\$720.00
Irrigation						
	Water Cost	1.60	Acre/Foot	\$20.00	\$32.00	\$3,200.00
	Irrigation Labor	4.00	Hour	\$12.00	\$48.00	\$4,800.00
Machinery Labor						
	Tractors/Self-Propelled	0.24	Hour	\$12.00	\$2.88	\$288.00
Diesel Fuel						
	Tractors/Self-Propelled	1.21	Gallon	\$2.10	\$2.54	\$254.10
Repairs & Maintenance						
	Tractors/Self-Propelled	1	Acre	\$2.63	\$2.63	\$262.93
	Implements	1	Acre	\$0.36	\$0.36	\$36.48
Interest on Credit Line				5.00%	\$26.97	\$2,696.90
Total Variable Costs					\$1,015.28	\$101,528.48
Planned Returns Above Variable Costs:					\$1,684.72	\$168,471.52
Breakeven Price to Cover Variable Costs				\$56.40	Ton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise
Machinery Depreciation						Total
	Tractors/Self-Propelled	1	Acre	\$2.72	\$2.72	\$271.69
	Implements	1	Acre	\$0.33	\$0.33	\$32.83
Equipment Investment						
	Tractors/Self-Propelled	\$21.17	Dollars	7.00%	\$1.48	\$148.16
	Implements	\$1.40	Dollars	7.00%	\$0.10	\$9.83
Allocated Establishment Cost						
	Land Cost, Orchard	1	Acre	\$254.04	\$254.04	\$25,404.00
		1	Acre	\$120.00	\$120.00	\$12,000.00
Total Fixed Costs					\$378.67	\$37,866.52
Total Specified Costs					\$1,393.95	\$139,395.00
Returns Above Specified Costs					\$1,306.05	\$130,605.00
Breakeven Price to Cover Total Costs				\$77.44	Ton	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	13.50	\$75.21	\$103.26
90%	16.20	\$62.67	\$86.05
100%	18.00	\$56.40	\$77.44
110%	19.80	\$51.28	\$70.40
125%	22.50	\$45.12	\$61.95

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.